

## **Abstract of the Disclosure**

A method of assembly is presented for a multi-wavelength optical monitor (MWOM) for use in fibre optic telecommunication networks. The method allows coarse optimisation to be used to align an input optical fibre and detector array relative to a wavelength division demultiplexing element. The detector array output data are transformed with a digital signal processor into relative intensities of the components of the spectrum or spectral parameters of telecommunication channels.

